

**Cell Biophysics 2019 Symposium**  
**Saturday March 2, 2019**  
**Baltimore, Maryland**  
**1:00 pm – 6:15 PM**  
**Convention Center Rooms: 307 & 308**  
**Subgroup Chair: Jie Xiao, Johns Hopkins University**

1:00 PM to 1:30 PM

Haw Yang, Princeton University, NJ, USA

**Unsupervised Statistical Learning of the Structural and Kinetic Elements in Multi-Resolution Dynamics**

1:30 PM to 2:00 PM

Kandice Tanner, NIH – NCI/CCR, Bethesda, MD USA

**High frequency active microrheology reveals mismatch in 3D tumor intracellular and extracellular matrix viscoelasticity**

2:00 PM to 2:30 PM

Liedewij Laan, Delft University of Technology, Netherlands

**Evolutionary self-organization: lessons from the yeast polarization machinery**

2:30 PM to 3:00 PM

Christine Payne, Duke University, Durham, NC, USA

**TiO<sub>2</sub> Nanoparticle-cell Interactions: Importance of Protein Corona**

3:00 PM to 3:15 PM

Javier Buceta, Lehigh University, Allentown, PA, USA

**Scutoids: understanding the 3D packing of curved epithelia**

3:45 PM to 4:15 PM

Johan Elf, Uppsala University, Sweden

**Genome-wide single cell biophysics**

4:15 PM to 4:45 PM

Jung-chi Liao, Academia Sinica IAMS, Taiwan

**Centriole interaction infrastructure revealed by superresolution microscopy**

4:45 PM to 5:15 PM

David Rueda, Imperial College School of Medicine, London, UK

**Imaging Cellular RNAs at Single Molecule Resolution with Fluorogenic RNA-Mango Aptamers**

5:15 PM to 5:30 PM

Christina Caragine, New York University, NY, USA

**Student/Postdoc Talk: Surface Fluctuations and Coalescence of Nucleolar Droplets in the Human Cell Nucleus**

5:30 PM to 5:45 PM

Anna L Duncan, University of Oxford, UK

**Student/Postdoc Talk: How nanoscale protein interactions determine the mesoscale dynamic organization of membrane proteins**

5:45 PM to 6:15 PM

**Subgroup Business Meeting**

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